

WBS Changes Required

The following summarizes the changes required to implement the Recommendations from the Change Control VA Team.

WBS changes are generally described to Level 6 unless Specific Level 7 items need to be moved before Project Approval or to the PID Phase. Some level 5 descriptions are used to complete the identification of what is included in the specific phase.

Teal color is used to identify added tasks to be done during the PID Phase.

Blue is used to identify added tasks to be done during the Project Decision Phase.

Black is used to identify tasks that do not change phases.

It is important that the WBS be changed to represent these changes as this represents fundamental change in the Caltrans Project Delivery Process and when these tasks are to be done. Performing these tasks at a later Phase would be considered doing “At Risk” design.

		PID/Programming		Project Decision Phase		Construction Documents
PM	<i>150.xx</i>	<i>Management Review</i>	<u>160.xx</u>	<u>Management Review</u>		
Environmental			<u>205.25</u>	<u>Prepare Agreements for Material Sites(needs level 7)</u>	235.20 235.25	Prepare Hazardous Waste PS&E Perform Hazardous Waste Clean-up
			<u>235.10.10</u>	<u>Perform Surveys to Locate Hazardous Waste Sites</u>	235.30	Certify Freedom from Hazardous Waste
			<u>235.10.15</u>	<u>Conduct Detailed Investigation</u>		
			<u>235.15</u>	<u>Develop Hazardous Waste Management Plan</u>	235.35	Perform Long Term Mitigation Monitoring
Design	150	Develop Project Initiation Document (PID)	160	Perform Preliminary Engineering Studies and Prepare Draft PR	205.10 205.20.20	Obtain Permits Execute Freeway Agreement
	<i>150.05.30</i>	<i>Perform Surveys and Mapping for PID</i>	165	Perform Environmental Studies and Prepare Draft ED	205.30	Prepare and Execute Maintenance Agreement (Execute Only)
	<i>160.10.05</i>	<i>Perform Surveys and Mapping for Project Report</i>	175	Circulate Draft Environmental Document and Select Preferred Alternative (ND and EIR only)	205.45	Obtain MOU from Tribal Employment Rights Office (TERO)
	<i>160.10.15</i>	<i>Prepare Geometric Plans for Project Alternatives</i>	180	Prepare and Approve Final PR& ED	205.50	Prepare and Execute Cooperative Agreement for Relinquishment (Execute Only)
	<i>160.15.10</i>	<i>Prepare Fact Sheet Exceptions to Design Standards</i>	<u>185.05</u>	<u>Review and Update Project Information</u>	230.35	Prepare Draft Specifications
	<i>160.15.15</i>	<i>Obtain Approval of Exceptions to Encroachment Policy</i>	<u>185.15</u>	<u>Prepare Request for Exceptions to Design Standards</u>	230.40	Prepare Draft PS&E Quantities and Estimates
	<i>165.20.25.05</i>	<i>Prepare Final Area of Potential Effects (Federal) / Study Area Maps (State Only)</i>	<u>185.20</u>	<u>Prepare Engineering Reports</u>	230.55	Incorporate Structures Draft PS&E
	<i>150 New</i>	<i>Identify possible packaging opportunities with other projects</i>	<u>185.25</u>	<u>Determine Right of Way Requirements</u>	235.05	Perform Environmental Mitigation
		<i>Initiate Mapping for Project Alternatives</i>	<u>190.10</u>	<u>Prepare Site Plans for Retaining Walls and Non-Standard Earth Retention Systems</u>	255.05	Circulate & Review Draft District PS&E Package

150 New	Formalize SO Process	190.15	Prepare Site Plans for Soundwalls	255.10	Update PS&E Package
	More thorough analysis and risk assessment by Functional Groups		on Retaining Systems or Structures	255.15	Perform Environmental Reevaluation
150 New		190.20	Prepare Site Plans for Pumping Plants	255.20	Prepare Final District PS&E Package
		190.25	Prepare Site Plans Special Design Culverts	255.30	Prepare Materials Information Handout
		190.30	Prepare Site Plans Bridges and Structures	260.10	Produce Check Prints
		200.10	Determine Utility Locations (Potholing) and Prepare Conflict Maps	260.15	Prepare Draft Contract Documents
		200.15	Utility Conflict Resolution		
		205.05	Determine Permit Requirements		
		205.10	Obtain Permits (Permit Prep)		
		205.20.05-15	Prepare Draft, Review Draft and Prepare Final Freeway Agreement		
		205.25	Prepare Agreement for Material Sites (needs level 7)		
		205.30	Prepare and Execute Maintenance Agreement (Prepare Only)		
		205.35	Prepare and Execute Cooperative Agreement		
		205.40	Obtain Route Adoptions		
		205.50	Prepare and Execute Cooperative Agreement for Relinquishment (Prepare)		
		230.30	Prepare Draft Drainage Plans		
		230.10	Prepare Draft Highway Planting Plans		
		230.05	Prepare Draft Roadway Plans		
		230.	Note Change 230 title to Prepare Draft Project Decision Plans		
		160.New	Finalize packaging opportunities with other projects		
Structures		205.15	Obtain Railroad Agreements (Except PUC Approval)	240.xx	Prepare Draft Structure PS&E for Structures 1 through n.
		210.xx	Prepare Preliminary Structures Design Data	240.90	Prepare Draft Structure PS&E for “Overall” Project
		210.95	Prepare Preliminary Structures Design Data for “Other” Structures	240.95	Prepare Draft Structure PS&E for “Other” Structures
				250.10	Finalize Structures PS&E

Surveys and Right of Way Engineering	215.xx	Prepare Structures General Plan	250.15	Package External Review of Structures PS&E Package
	215.90	Prepare General Plan for Overall Project		
	215.95	Prepare Preliminary Structures Design Data for “Other” Structures		
	185.10	Perform Design Surveys and Photogrammetric Mapping	220.20*	Prepare Acquisition Document
	220.05	Retrace and Perpetuate Existing Land Net	220.25* 220.30	Prepare Deeds Package to Fulfill Contract Obligations Perform Right of Way Revisions (Avoid)
	220.10	Prepare Land Net Map	225.05*	Appraise Right of Way
	220.15	Prepare Right of Way Maps	225.10* 225.15 225.20 225.25* 225.30 225.35	Acquire Right of Way Relocate Occupants/Personalty Prepare R/W Certification Documents Process Federal Aid Documents Clear Right of Way Perform Continuing Condemnation Activities
			225.40* 225.45	Property Management Excess Land
	200.05	Perform Preliminary Utility Verification	200.20	Implement Utility Relocation Plan
	200.10	Determine Utility Locations (Potholing) and Prepare Conflict Maps	200.25	Manage the Utility Relocation
R/W / Utilities	200.15	Utility Conflict Resolution		
	205.15	Obtain Railroad Agreements		
	205.25	Prepare Agreement for Material Sites(needs level 7)		
	230.25	Prepare Draft Utility Plans		
	235.10.05	Obtain Right or Permit for Hazardous Waste Site Investigation		
Traffic	230.15	Prepare Detailed Traffic Plans		
Maintenance	205.30	Prepare and Execute Maintenance Agreement (Prepare Only)	205.30	Prepare and Execute Maintenance Agreement (Execute Only)

Construction

* Activities that can be performed after completion of studies and selection of the Preferred Alternative to accelerate delivery.